

20020808.qrp v02_n641.qrl.20020808

Date: Thu, 8 Aug 2002 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2641

QRP-L Digest 2641

Topics covered in this issue include:

- 1) [131697] Rock-Mite Marvels
by Jim Cluett <w1pid@yahoo.com>
- 2) [131698] Re: End fed wire antenna
by Pete Burbank <plburbank@kih.net>
- 3) [131699] Embedded Research Email Address
by Karl Heimbach <kheimbach@ev1.net>
- 4) [131700] Re: End fed...
by "ss lyon" <sslyon@megalink.net>
- 5) [131701] End fed wire: a refreshing pause for reflection
by "ss lyon" <sslyon@megalink.net>
- 6) [131702] Clisby Vertical Milling Machine and Lathes
by "Brice D. Hornback" <bdh@cyberbound.net>
- 7) [131703] Re: End fed wire: a refreshing pause for reflection
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 8) [131704] Rock Mite tonite?
by "ss lyon" <sslyon@megalink.net>
- 9) [131705] NEQRP CW Net, Thursday, 8 August 02, 08:30 PM EDT, 3.565 MHz
by Chuck Ludinsky <cludinsky@attbi.com>
- 10) [131706] RE: End fed wire: a refreshing pause for reflection
by "Dave Richards" <wr3i@earthlink.net>
- 11) [131707] Re: End fed wire: blown link?
by "ss lyon" <sslyon@megalink.net>
- 12) [131708] Re: End fed wire: a refreshing pause for reflection
by Hank Kohl K8DD <k8dd@arrl.net>
- 13) [131709] RE: Clisby Vertical Milling Machine and Lathes
by "Dave Richards" <wr3i@earthlink.net>
- 14) [131710] END FED ZEPP & J-POLE ref
by "ss lyon" <sslyon@megalink.net>
- 15) [131711] Re: End fed wire antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 16) [131712] Re: End fed wire antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 17) [131713] Re: End fed wire antenna
by Dave Hottell <hottell@gulftel.com>
- 18) [131714] Data on End Fed Short Dipole
by "Karl F. Larsen" <k5di@zianet.com>
- 19) [131715] Re: NorCal VXO Contest

- by "Dave Fifield" <dave@redhotradio.com>
- 20) [131716] Fox II K0FRP
by "Al Dawkins" <alk0frp@attbi.com>
- 21) [131717] Random Wire vs. Magnetic Loop in Apartment
by Alex <kr1st@amsat.org>
- 22) [131718] Re: Random Wire vs. Magnetic Loop in Apartment
by "Robin Kidd" <robink@us.ibm.com>
- 23) [131719] ROCK MITE Rewarding tonite
by "ss lyon" <sslyon@megalink.net>
- 24) [131720] Re: Fox II K0FRP
by Lew Paceley <lew@paceley.com>
- 25) [131721] Re: Fox II K0FRP
by "George, W5YR" <w5yr@att.net>
- 26) [131722] DX - TY6FB - Benin -
by Bruce Ratray <rattray@gpfn.sk.ca>
- 27) [131723] Re: End fed wire antenna
by Dave Hottell <hottell@gulftel.com>
- 28) [131724] One Item Left FS
by "Makai - Staniel Cay" <makai@makai.org>
- 29) [131725] RE: Fox: Looks like a couple "zeros" this week.
by "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
- 30) [131726] Re:Hoof in mouth disease
by John <paynej1@strato.net>
- 31) [131727] Re: Clisby Vertical Milling Machine and Lathes
by "Brice D. Hornback" <bdh@cyberbound.net>
- 32) [131728] WTB USED "ZM-2 ATU"
by Wayne AA5JJ <aa5jj@yahoo.com>
- 33) [131729] Re: Clisby Vertical Milling Machine and Lathes
by "Leon Heller" <leon_heller@hotmail.com>
- 34) [131730] Dipole >?<
by John R Kirby <n3aaz-qrp@juno.com>
- 35) [131731] end fed . . .
by John R Kirby <n3aaz-qrp@juno.com>
- 36) [131732] Re: Random Wire vs. Magnetic Loop in Apartment
by "John Dorson" <jdorson@worldshare.net>
- 37) [131733] RE: Random Wire vs. Magnetic Loop in Apartment
by "Dave Richards" <wr3i@earthlink.net>
- 38) [131734] Re: End fed wire antenna
by Jimmy Lee <jrlaudio@bellsouth.net>
- 39) [131735] Re: Embedded Research Email Address
by "Howard Kraus" <K2UD@adelphia.net>
- 40) [131736] Re: Index QRP+
by George Gingell <k3tks@u1.abs.net>
- 41) [131737] Re: Dipole >?<
by "Karl F. Larsen" <k5di@zianet.com>
- 42) [131738] Re: Dipole >?<
by Ed Lawson <k1vp@grizzly.com>
- 43) [131739] Index QRP+ eprom mods ; 5mhz band??

by Tom Mc <tjmc@erols.com>
44) [131740] August Spartan Sprint Results
by "John Huffman" <hjohnnc@core.com>
45) [131741] RE: Dipole >?<
by "Alverson, Tom" <TomA@xetron.com>
46) [131742] Re: End fed...
by David Hinerman <WD8CIV@worldnet.att.net>
47) [131743] Re: Dipole >?<
by "ss lyon" <sslyon@megalink.net>
48) [131744] Re: Clisby Vertical Milling Machine and Lathes
by David Hinerman <WD8CIV@worldnet.att.net>
49) [131745] Re: Clisby Vertical Milling Machine and Lathes
by "Mike Yetsko" <myetsko@insydesw.com>
50) [131746] For Sale - Ten-Tec AC-4 & AC-5 Set
by David Gauding <david.gauding@bbs.galilei.com>
51) [131747] Re: Rock-Mite Marvels
by "Dave Benson" <nn1g@earthlink.net>
52) [131748] FS: K8RA Iambic Paddle
by "Alan Fryer" <N3BJ@hotmail.com>
53) [131749] Re: NorCal VXO Contest
by "Lee Mairs" <lmairs@cox.net>
54) [131750] Re: Random Wire vs. Magnetic Loop in Apartment
by "Bill Walker" <wv7g@arrl.net>
55) [131751] The Mighty Rock Mite!
by Steven Weber <kd1jv@moose.ncia.net>
56) [131752] Re: Clisby Vertical Milling Machine and Lathes
by "Rob Matherly" <w0jrm@arrl.net>
57) [131753] Re: Hoof in mouth strikes again!!
by John <paynej1@strato.net>
58) [131754] Re: Hoof in mouth strikes again!!
by Bruce Muscolino <w6toy@erols.com>
59) [131755] Directional Antenna for HF.
by "Mullin, Edward J." <mulline@tycoelectronics.com>
60) [131756] Re: Directional Antenna for HF.
by "Ian Wilson" <ianmwilson@earthlink.net>
61) [131757] Re: Clisby Vertical Milling Machine and Lathes
by "Leon Heller" <leon_heller@hotmail.com>
62) [131758] Re: Directional Antenna for HF.
by David Hinerman <WD8CIV@worldnet.att.net>
63) [131759] PSE
by Ingo Meyer DK3RED <dk3red@gmx.net>
64) [131760] RE: Hoof in mouth strikes again!!
by "Tracy Markham" <tracy@bytemark.com>
65) [131761] K8RA Paddle SOLD
by "Alan Fryer" <N3BJ@hotmail.com>
66) [131762] FS: Unbuilt ZM-2 Tuner
by "Alan Fryer" <N3BJ@hotmail.com>
67) [131763] Re: Clisby Vertical Milling Machine and Lathes

by "Rob Matherly" <w0jrm@arrl.net>
68) [131764] Re: Directional Antenna for HF.
by Bruce Muscolino <w6toy@erols.com>
69) [131765] PSE
by Lloyd Lachow <llachow@yahoo.com>
70) [131766] KL7/K0EVZ visit to Alaska and to AL7FS - with photos
by Jim Larsen - AL7FS <AL7FS@arrl.net>
71) [131767] RE: Help with mystery parts? : FAST current regulator
by "Hubert Smits" <hubert.smits@btinternet.com>
72) [131768] End Fed Dipole FAILS
by "Karl F. Larsen" <k5di@zianet.com>
73) [131769] Re: KL7/K0EVZ visit to Alaska and to AL7FS - with photos
by Phil Wheeler <w7ox@earthlink.net>
74) [131770] Re: KL7/K0EVZ visit to Alaska and to AL7FS - with photos
by "Richard Brummer, K2JQ" <k2jq@rcn.com>
75) [131771] Re: Dipole >?<
by Rick McKee <kc8aon@juno.com>
76) [131772] Re: Dipole >?<
by Rick McKee <kc8aon@juno.com>
77) [131773] Re: Dipole >?<
by Rick McKee <kc8aon@juno.com>
78) [131774] Re: Directional Antenna for HF.
by "ss lyon" <sslyon@megalink.net>
79) [131775] Re: Clisby Vertical Milling Machine and Lathes
by "Brice D. Hornback" <bdh@cyberbound.net>

Date: Wed, 7 Aug 2002 16:53:03 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [131697] Rock-Mite Marvels
Message-ID: <20020807235303.57605.qmail@web11602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just finished my second rock-mite. Incredible little
beast. I worked Ontario, Georgia, N.J. and
Massachusetts within an hour. Nice reports. This is a
little design marvel. Dave... nice going. How about an
enclosure? Jim w1pid@arrl.net

Do You Yahoo!?
Yahoo! Health - Feel better, live better
<http://health.yahoo.com>

Date: Wed, 07 Aug 2002 20:17:30 -0400
From: Pete Burbank <plburbank@kih.net>
To: k5di@zianet.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131698] Re: End fed wire antenna
Message-ID: <5.0.2.1.0.20020807200903.009f1ec0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Karl,
I was curious why you were using 300 Ohm feedline for an end fed antenna.
How long is the feedline and how is it connected?
What sort of ground do you have?
Are you feeding with an ATU?
73
Pete NV4V Ky

Date: Wed, 07 Aug 2002 19:22:06 -0500
From: Karl Heimbach <kheimbach@ev1.net>
To: qrp-1@lehigh.edu
Subject: [131699] Embedded Research Email Address
Message-ID: <5.1.0.14.2.20020807191848.00b90ca8@mail.ev1.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Have a sick Tick chip that came with the Norcal 20. I've been trying to
contact Embedded Research via email for a couple of weeks now, but without
success.

I've used the email address shown on their webpage, and wonder if it is
current. Does anyone know of a more recent one?

Thanks,

Karl - W5QJ

Date: Wed, 7 Aug 2002 21:01:18 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <robink@us.ibm.com>, "chat qrp" <qrp-1@lehigh.edu>
Subject: [131700] Re: End fed...
Message-ID: <002401c23e77\$1aa2c360\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't worry about the stink and smoke, Robin... it's not contagious. Seems that an unfortunate few choose these open arenas to expose their character defects. Leads one to wonder if that's possibly caused back in childhood by having one end of a conductor in their mouths (or other orifice) and getting way too intimate with a wall outlet.

72

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "Robin Kidd" <robink@us.ibm.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 07, 2002 5:09 PM
Subject: Re: End fed wire antenna

>
> Maybe I am still naive enough to think that hams try to help each other. I
> have watched this battle go on about the end fed wire antennas with some
> real misgivings about where this is all going. I have only been a ham
> since February of this year. I have been excited about this hobby up till
> now - let try to help each other to get on the air and not get into a
> pissing contest. Each person has ideas that hopefully have been put on
> this list with some modicum of testing to back them up. If you don't agree
> with the results/ideas tell me why, but please don't drag someone down
> because you happen to disagree with their approach. This is a large hobby
> with room for experimenters of all types. I for one enjoy someone putting
> ideas out that are a little radical just as long as there is some proof as
> to the validity of the idea.

>

> Regards,

>
> Robin J. Kidd
> KG4RSQ
>
> Remember, the Ark was created by inspired amateurs but the Titanic was
> created by professionals...
>
> kg4rsq@arrl.net
>
>
>

Date: Wed, 7 Aug 2002 21:08:39 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131701] End fed wire: a refreshing pause for reflection
Message-ID: <003a01c23e78\$21641540\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It may help to consult someone who's done a nice work up on the Zepp antenna
technique, N3G0. For those preferring light rather than smoke:
<http://free.prohosting.com/~w0rcy/Jpole/jpole.html>

Most hopefully
AA1MY

Date: Wed, 07 Aug 2002 20:19:09 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131702] Clisby Vertical Milling Machine and Lathes
Message-ID: <016401c23e79\$99237d40\$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hello everyone. Have you ever thought about making your own straight keys
or paddles but your metal shop consists of only a cordless drill and a hack

saw? Well... I'd like to introduce you to the Clisby Miniature Machines. These are precision miniature mills and lathes made for milling or turning metals such as brass, aluminum, and mild steel, as well as plastics and wood, etc. They were designed by Harold Clisby, the original designer of the original Sherline Lathe. They are perfect for folks who have limited shop space or only have a need to work on small parts. They also run from 12-volts, so they could be used in a portable machine shop quite easily. They are small... but very high-quality and VERY affordable.

Perfect for beginners or experience machinists, these machines offer the QRP'er/Homebrewer the tools necessary to build custom Morse code keys and paddles, PTO tuning assemblies, custom enclosure cutouts, and more. They also look like they would be easy to convert to CNC to do automated small parts and maybe route small circuit boards too!

Check out my Clisby Miniature Machines Web site:
<http://www.cyberbound.net/clisby>

73/72/71! de Brice KA8MAV

Date: Wed, 7 Aug 2002 21:24:15 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <sslyon@megalink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131703] Re: End fed wire: a refreshing pause for reflection
Message-ID: <015a01c23e7a\$4f8a6f80\$d2af2341@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That link doesn't work for me !!! All I got was propaganda !!!

carl / kz5ca

----- Original Message -----

From: "ss lyon" <sslyon@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 07, 2002 9:08 PM
Subject: End fed wire: a refreshing pause for reflection

> It may help to consult someone who's done a nice work up on the Zepp antenna

> technique, N3G0. For those preferring light rather than smoke:

> <http://free.prohosting.com/~w0rcy/Jpole/jpole.html>

>
> Most hopefully
> AA1MY
>
>
>

Date: Wed, 7 Aug 2002 21:22:27 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-1@lehigh.edu>
Subject: [131704] Rock Mite tonite?
Message-ID: <004a01c23e7a\$0f140e20\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be exercising the 'Mite tonite at 10:00pm Eastern and maybe 11:00pm too, if I can stay awake. KD1JV will be looking for a report on how his new audio filter board works on it. It's got to be a hell of a filter to get rid of the products of 50 microvolts of Radio Canada hammering on the front end. And with great reluctance, I report that I'll be using my usual 88' c.f. Zepp, (E-W) and yesssss... Virginia, a true blue, honest-to-haggis END FED 66' Zepp. (NE-SW)
73/72
AA1MY

Date: Wed, 07 Aug 2002 21:22:22 -0400
From: Chuck Ludinsky <cludinsky@attbi.com>
To: neqrp@jonal.net, qrp-1@lehigh.edu
Subject: [131705] NEQRP CW Net, Thursday, 8 August 02, 08:30 PM EDT, 3.565 MHz
Message-ID: <3D51C7CE.9060807@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 8 August 2002, at 8:30 PM EDT (00:30Z, 9 Aug 02) on or near 3.565 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

Last week's net was hosted by John, WB1HBE, also operating from

Chelmsford. John reported a light turnout, with a total of three participants:

K1RC	John	Dracut, MA	599
KA3WMJ	Ken	Erwinna, PA	599
WB1HBE	John	Chelmsford, MA	net op

With cooler, clearer weather across New England and the Atlantic states, we're expecting excellent conditions this week. Hope you all stop by .

72 DE K1CL,
Chuck

Date: Wed, 7 Aug 2002 21:24:45 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: <sslyon@megalink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131706] RE: End fed wire: a refreshing pause for reflection
Message-ID: <FAEEKPCBNNDNKMGPIBKCEHFCFAA.wr3i@earthlink.net>

Seab,
I cant get into it? it seems to be an add for prohosting
And now you have wet my appetite
Dave
WR3I

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
ss lyon
Sent: Wednesday, August 07, 2002 9:09 PM
To: Low Power Amateur Radio Discussion
Subject: End fed wire: a refreshing pause for reflection

It may help to consult someone who's done a nice work up on the Zepp antenna technique, N3G0. For those preferring light rather than smoke:
<http://free.prohosting.com/~w0rcy/Jpole/jpole.html>

Most hopefully
AA1MY

Date: Wed, 7 Aug 2002 21:25:12 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "carl seyersdahl" <carlseye@tampabay.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131707] Re: End fed wire: blown link?
Message-ID: <005001c23e7a\$716d0ea0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

sorry, guys, I copied the address from the bottom of a printed copy I made nearly a year ago. I'll get back with the right one -if I can find it.

AA1MY
Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <sslyon@megalink.net>; "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Sent: Wednesday, August 07, 2002 9:24 PM
Subject: Re: End fed wire: a refreshing pause for reflection

> That link doesn't work for me !!! All I got was propaganda !!!
> carl / kz5ca
> ----- Original Message -----
> From: "ss lyon" <sslyon@megalink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Wednesday, August 07, 2002 9:08 PM
> Subject: End fed wire: a refreshing pause for reflection
>
>
> > It may help to consult someone who's done a nice work up on the Zepp
> antenna
> > technique, N3G0. For those preferring light rather than smoke:
> > <http://free.prohosting.com/~w0rcy/Jpole/jpole.html>
> >
> > Most hopefully
> > AA1MY
> >

> >
> >
>
>

Date: Wed, 07 Aug 2002 21:30:48 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: sslyon@megalink.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131708] Re: End fed wire: a refreshing pause for reflection
Message-ID: <5.1.0.14.2.20020807213034.00a4ccd0@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 8/7/02 09:08 PM -0400, ss lyon wrote:
>It may help to consult someone who's done a nice work up on the Zepp antenna
>technique, N3G0. For those preferring light rather than smoke:
><http://free.prohosting.com/~w0rcy/Jpole/jpole.html>

Try <http://snow.prohosting.com/w0rcy/Jpole/jpole.html>
Lots of light and no smoke!

Date: Wed, 7 Aug 2002 21:31:07 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: <bdh@cyberbound.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131709] RE: Clisby Vertical Milling Machine and Lathes
Message-ID: <FAEEKPCBNNDNKGMPIBKAEHGCFAA.wr3i@earthlink.net>

000! 000! I see Fortune Imagine The New Dave's key millions sold!
Hi Hi Seriously Brice they look good and not expensive either good post
Dave
WR3I

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Brice D. Hornback
Sent: Wednesday, August 07, 2002 9:19 PM
To: Low Power Amateur Radio Discussion

Subject: Clisby Vertical Milling Machine and Lathes

Hello everyone. Have you ever thought about making your own straight keys or paddles but your metal shop consists of only a cordless drill and a hack saw? Well... I'd like to introduce you to the Clisby Miniature Machines. These are precision miniature mills and lathes made for milling or turning metals such as brass, aluminum, and mild steel, as well as plastics and wood, etc. They were designed by Harold Clisby, the original designer of the original Sherline Lathe. They are perfect for folks who have limited shop space or only have a need to work on small parts. They also run from 12-volts, so they could be used in a portable machine shop quite easily. They are small... but very high-quality and VERY affordable.

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Check out my Clisby Miniature Machines Web site:
<http://www.cyberbound.net/clisby>

73/72/71! de Brice KA8MAV

Date: Wed, 7 Aug 2002 21:36:14 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-l@lehigh.edu>
Subject: [131710] END FED ZEPP & J-POLE ref
Message-ID: <007401c23e7b\$fc2e7dc0\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to the generosity of another list member, here is the new, correct link:
<http://snow.prohosting.com/w0rcy/Jpole/jpole.html>

72.73
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd

Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Wed, 7 Aug 2002 20:06:12 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131711] Re: End fed wire antenna
Message-ID: <Pine.LNX.4.44.0208071958020.1773-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bruce we are having word problems. You have used a random or even desired length of wire outside going to your tuner with a number of good counterpoise wires to keep RF out of the shack. This is NOT an end fed wire antenna. It's called a random wire antenna with no feed line.

My antenna is 44 feet long so it's not resonant in any of the Ham Bands. I feed it with a 300 ohm feed line at one end. It works just fine and I get nearly all my transmitted power onto the antenna and it works fine on 80 through 10 meters.

Please look at my message to the list with the measurements and calculations I have done with a Smith Chart. Then I hope you too will understand.

On Wed, 7 Aug 2002, Bruce Muscolino wrote:

> Karl,
>
> My understanding of the end fed zepp is that the "feedline: tends to act
> as a counterpoise as well as aa feedline. In any case, the end fed wire
> I am talking about is one where there is NO feedline. The antenna is
> connected directly to the tuner with a banana plug!
>
> A ground is not necessary on any band. A good RF return, or a
> counterpoise is required to get any efficiency out of the antenna.
>
> Please don't try to tell me you are an expert with the end fed wire
> after doing one experiment. I have been using the antenna for 30

> years. I think I have come to understand it.
> I have worked all states and DXCC with it. I have worked 80 meter CW
> with end feed wires as short as 20 feet! They worked as well as I could
> have expected. Why? because of a counterpoise!
>
> 73
>

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Wed, 7 Aug 2002 20:09:47 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Pete Burbank <plburbank@kih.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131712] Re: End fed wire antenna
Message-ID: <Pine.LNX.4.44.0208072008250.1773-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Pete, here is a message I will send to the QRP List so you don't need to look for it...

Well, I have measured my feed line and it's 29 feet long. The antenna is 44 feet long and is actually about 17 feet high on the flat roof of my home in the desert.

With my Vertronics antenna analyzer I measured the source impedance of the 300 ohm line by connecting the Source end to a 1:1 balun and then the Vertronics to to the un-balanced side. I used a frequency near the center of every band from 80 to 10 meters.

Then I re-booted in windows and used the great software George recommended called Transmission Line Details to calculate the load impedance at the point where the feed line is an open circuit to Direct Current but one side of the feed line is connected to the antenna. As you will see the Load Impedance is never infinite except at DC. I found while measuring that at 4.43 MHz the Source impedance is 50 +j0 for some reason.

So here is my list of impedances that I measured and calculated against the frequency band in use.

Band	Source Impedance		Load Impedance	
	R	X	R	X
80	10	73	8.3	-193
40	17	33	1614	-2826
30	140	376	896	-919
20	12	98	7.6	66
17	9.8	29	14	-415
15	101	193	275	-487
10	7.7	34	2.2	-26.4
4.43		50 0	162	-451

As you can see some of the Source values are hard to match with even a good balanced load antenna tuner. But I'm able to get a good 1:1 SWR to my radio with my MFJ antenna tuner.

Looking at the Load Impedance it's clear the feed line is helping to make the 44 foot antenna resonant at each band. That's why this antenna works so well for me even though it's too short for 80 and 40 meters, and end fed which so many say makes my 300 ohm feed line just like a single wire. It is acting like a 300 ohm feed line that has a characteristic impedance of 300 -j2.231 and all the things we know about feed lines are present with this one. Even with the odd impedances this system will use reflections to get most of the full radio power to the antenna minus the loss in attenuation due to feed line resistance. At 80 meters the loss is 0.206 DB/100 feet. Thus the loss in my 29 feet of cable is .05974 DB.

In summary, all the strange claims we have seen about an end fed antenna are groundless. This is a well understood antenna that was very popular before the Second World War. This antenna was used in Blimps where the feed line was 600 ohm open wire balanced. My antenna works very well indeed and it's completely hidden on the roof of my home. It will be the one I recommend to people in my presentation at the Ham Fest because I have both calculated and on-the-air proof that it's a great antenna!

On Wed, 7 Aug 2002, Pete Burbank wrote:

```
> Karl,
> I was curious why you were using 300 Ohm feedline for an end fed antenna.
> How long is the feedline and how is it connected?
> What sort of ground do you have?
> Are you feeding with an ATU?
> 73
> Pete    NV4V  Ky
>
>
>
```


--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Wed, 07 Aug 2002 21:12:38 -0500
From: Dave Hottell <hottell@gulftel.com>
To: robink@us.ibm.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131713] Re: End fed wire antenna
Message-ID: <3.0.6.32.20020807211238.00965930@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Robin,

To help clear the air a little on the 44' wire, I did a little modeling with EZNEC. The impedance appearing at the end of such a wire will be approximately 1/2 the impedance of a center-fed 88' wire, which is $Z_a = 26 - j554$. So the impedance seen by one conductor of the twinlead is approximately 1/2 of this, or $Z = 13 - j277$.

Now, the other conductor of the twinlead will see half the impedance of an open circuit, but at rf there is no such thing as an open circuit. The impedance of an unterminated feeder is probably somewhere in the range of 3k to 10k, with no reactance. For this example we will assume that the impedance of the unterminated half of the twinlead is about $Z = 2500 + j0$.

Even if our estimated impedance of the unterminated conductor is a little off, we can see that the two conductors are badly unbalanced, so the feedline will radiate. The actual radiation pattern of this combination will most likely resemble that of an inverted L, with a vertical component and a horizontal component. No attempt made to model it though, because the net current (that doing the radiating) in the vertical feedline/radiator is difficult to determine, and the relationship of this current to that in the horizontal wire is not known.

Since there is no ground plane created in this arrangement, there may be ground losses to consider also. Once again, the effects are difficult, if not impossible, to predict.

Such an antenna will radiate, and may do well. After all, it is an inverted L and those have been used for decades. Nothing new here, just a somewhat different way to obtain old-time results.

73,
Dave
AB9CA/4

At 05:09 PM 8/7/02 -0400, Robin Kidd wrote:

>
>Maybe I am still naive enough to think that hams try to help each other. I
>have watched this battle go on about the end fed wire antennas with some
>real misgivings about where this is all going. I have only been a ham
>since February of this year. I have been excited about this hobby up till
>now - let try to help each other to get on the air and not get into a
>pissing contest. Each person has ideas that hopefully have been put on
>this list with some modicum of testing to back them up. If you don't agree
>with the results/ideas tell me why, but please don't drag someone down
>because you happen to disagree with their approach. This is a large hobby
>with room for experimenters of all types. I for one enjoy someone putting
>ideas out that are a little radical just as long as there is some proof as
>to the validity of the idea.

>
>Regards,
>
>Robin J. Kidd
>KG4RSQ

>
>Remember, the Ark was created by inspired amateurs but the Titanic was
>created by professionals...

>
>kg4rsq@arrl.net

>
>
>
>

Date: Wed, 7 Aug 2002 20:14:05 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [131714] Data on End Fed Short Dipole
Message-ID: <Pine.LNX.4.44.0208072009560.1773-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I have measured my feed line and it's 29 feet long. The antenna is 44 feet long and is actually about 17 feet high on the flat roof of my home in the desert.

With my Vertronics antenna analyzer I measured the source impedance of the 300 ohm line by connecting the Source end to a 1:1 balun and then the Vertronics to the un-balanced side. I used a frequency near the center of every band from 80 to 10 meters.

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antenna are groundless. This is a well understood antenna that was very popular before the Second World War. This antenna was used in Blimps where the feed line was 600 ohm open wire balanced. My antenna works very well indeed and it's completely hidden on the roof of my home. It will be the one I recommend to people in my presentation at the Ham Fest because I have both calculated and on-the-air proof that it's a great antenna!

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Wed, 7 Aug 2002 19:32:21 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: <ki6ds@dph.dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131715] Re: NorCal VXO Contest
Message-ID: <005b01c23e83\$d2fab9c0\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I see I've been volunteered again! I guess I can't get out of this one.....drat! Actually Doug, it would be a good idea to choose a crystal from the middle of the bell curve as the "Golden Crystal" for measurement purposes. This way, it's fairest for all designers. Can you send a slack handful to me and I'll pick one for your jar (and a runner-up too!)?

As for how we're going to measure VFO'ing vs. VXO'ing, it's fairly simple - stability! We're going to measure the VXO's stability at both tuning diode voltage extremes, which will be 0V and +8V ('cuz you have to use an 8V rail, right Doug?). The difference between crystal stability and VFO stability is easy to detect, especially with a wave of the hand. We will find the frequency extremes where the VXO starts to VFO and call that the limits of the VXO. The test equipment will be locked to a super-stable GPS locked 10MHz temperature controlled source (about 1 part in 10E11 accuracy), so there will be no arguments about frequency drift or test equipment warm-up time etc. In fact, there will be no arguments at all - the judges decision is final! (what's the SP

on bribing the judges Doug, are we going to allow it?).

Also, before anyone asks, any design incorporating ear wax will automatically be disqualified on the grounds that....well, because it's disgusting and because we say so. Humorous use of non-ear wax or wax substitue will be considered um..... humorous, and will be allowed.

The idea of this contest is to see if, between us, we can come up with a "better" VX0, so we'll all benefit. Thanks to Dan Tayloe for coming up with the idea. Put your thinking caps on peeps, and get tinkering.

Cheers es 72,
Dave Fifield, AD6A

----- Original Message -----

From: "Doug Hendricks" <ki6ds@dph.dpol.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, August 06, 2002 10:55 PM

Subject: Re: NorCal VX0 Contest

> Hi Jim, excellent questions. Please see my answers inserted in your
> message.
>
>
> > Doug - The VX0 contest looks great. Just the thing to stimulate the grey
> > matter. I already have a couple designs brewing in the back regions of
> the
> > cranium.
> >
>
> Good job Jim, it is always good to suck up to the contest sponsor. Thank
> you.
>
> > I understand why you want to use the 1SV149 Varactor instead of a variable
> > capacitor as viable variable capacitors are getting diffficult to obtain.
> > But would inductive tuning be acceptable? In this case, there would be no
> > need for the varactor. I am not looking for a loophole here, but I am
> > looking for an advantage. :^)
>
> Sorry, you must use the varactor to tune with.
>
> >
> > Similarly, are trimmer capacitors allowed if they are not used to control
> > the frequency?
>

> Yes, I can see how you would want to use one to optimize the
> capacitance/inductance ratio. Good idea. You win on this point, go for it.
>
> >
> > Also, will the crystal parameters of the NorCal crystals in your mayonaise
> > jar be made available? That would be useful for design purposes. I have my
> > own mayonaise jar, although no front porch here. The view from the back
> deck
> > is spectacular though.
>
> Yes, I will ship the crystal to Dave Fifield who will measure all of the
> parameters and publish them on the list. Dave doesn't know about this yet,
> but he will do it as he is such a good guy and so knowledgeable. (Note that
> the contest sponsor also knows how to suck up when he needs a favor.)
>
>
> >
> > Will you distinguish between true VXOs and circuits in which the crystal
> and
> > reactive tuning components act as a VF0? If so, how?
> >
> Dave Fifield and Mike Gipe are in charge of this. Perhaps they will comment
> on it. But they did assure me that it would not be a problem.
>
> > I am working on a design that employs conjugate matching. :^)=
> >
> I used to conjugate match, but had to give it up when I got married, as
> JoAnne would not approve.
>
> I look forward to your entry. 72, Doug
>

Date: Wed, 7 Aug 2002 20:40:37 -0600
From: "Al Dawkins" <alk0frp@attbi.com>
To: <qrp-l@lehigh.edu>
Subject: [131716] Fox II K0FRP
Message-ID: <020d01c23e84\$fa5fe930\$0500a8c0@homev3v5yzk21f>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark your calendar set the alarm the Zero's will be there.
Yes a couple of Zeros as Karl said. K0FRP and N0UR.

I will be Low with my fixed 4 el mono EAST (got it fixed after 3 trips up the 70 footer), and the 4 el tribander that I used my last Fox will be West. I will have to switch them but its a fast switch.

I will send each stations call after each Q to confirm. NO 80 per hour rate so it will take longer but hang in there.

Keep calling I'll get you. We have 2 hours. Say QRS if you want me to slow down. Jump in and get wet.

I would like to hear some new calls. I just need RST State or Prov or Country, Name and power out

SEE YA THERE

Al K0FRP Colorado

Date: Wed, 07 Aug 2002 23:42:56 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131717] Random Wire vs. Magnetic Loop in Apartment
Message-ID: <3D51E8C0.751A28D0@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi there,

I just put a page up on my web site showing the results of a simple PSK31 test using a random wire versus a magnetic loop:

<http://www.kr1st.com/anttest.htm>

Nothing scientific, just a for-giggles-test. It's interesting to see though that a magnetic loop (small transmitting loop) gives you quite a bit of flexibility to tune out a noise source.

73,
--Alex (KR1ST)

<http://www.kr1st.com>

Date: Wed, 7 Aug 2002 22:54:09 -0400
From: "Robin Kidd" <robink@us.ibm.com>
To: qrp-l@lehigh.edu
Subject: [131718] Re: Random Wire vs. Magnetic Loop in Apartment

Message-ID: <0FA2E10FF0.F1E22346-0N85256C0F.000FC750@boulder.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Does anyone know of a place that I can get the construction information for an indoor magnetic loop. I am primarily interested in 40m,30m and 20m.
Thanks in advance

Regards,

Robin J. Kidd
KG4RSQ

Remember, the Ark was created by inspired amateurs but the Titanic was created by professionals...

kg4rsq@arrl.net

Date: Wed, 7 Aug 2002 23:09:02 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-l@lehigh.edu>
Subject: [131719] ROCK MITE Rewarding tonite
Message-ID: <00ba01c23e88\$f2c89060\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Real nice response tonite. Within one hr worked

WR3I
W8KC
K8HJ
VA3SB
KD1JV
AE5X
N9KKY

so I feel real good about the effort -in spite of Canadian BC QRM. KD1JV's filter really tightens up the audio pass band, but when the BC has music, there's enough within the passband to make it rough on weaker sigs.

I'll go back down to "Arachnidville" to Rock Mite after a brief word from my kidneys.

72
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Wed, 07 Aug 2002 22:31:15 -0500
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Cc: alk0frp@attbi.com
Subject: [131720] Re: Fox II K0FRP
Message-ID: <006f01c23e8c\$0d163d20\$6501a8c0@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Al,
Those of us SOUTH or NORTH of Colorado could be at a mighty big disadvantage here unless your beams have big side lobes, which I doubt. With the condx we've seen lately an extra 6-8 dbd might make the difference between having a QSO or not. Could you please point the tribander north and south part of the hunt?? Or switch to a dipole or other less directional antenna that gives the rest of us a fighting chance to get a pelt?

>I will be Low with my fixed 4 el mono EAST (got it fixed after 3 trips up
>the 70 footer), and the 4 el tribander that I used my last Fox will be West.
>I will have to switch them but its a fast switch.

Tnx.

72/73,
Lew
N5ZE

Date: Wed, 07 Aug 2002 22:44:12 -0500
From: "George, W5YR" <w5yr@att.net>
To: lew@paceley.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131721] Re: Fox II K0FRP
Message-ID: <3D51E90C.27AF4986@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Amen to that, Al, from another Pesky Texan. Last time your signal was largely vapor this close in so we need all the help we can get. As late as the Hunt is this time of the year on 20, the skip is long and anything closer than 800-1000 miles is really rough going.

Maybe the second hour you could move one of the beams SE and the other NW for the first 30 minutes, and then SW and NE for the last 30 minutes, and spread out the opportunity a little more! <:}

Many thanks, Al, and I'll be looking for that machine-gun Morse once again!

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

Lew Paceley wrote:

>
> Al,
> Those of us SOUTH or NORTH of Colorado could be at a mighty big
> disadvantage here unless your beams have big side lobes, which I
> doubt. With the condx we've seen lately an extra 6-8 dbd might make
> the difference between having a QSO or not. Could you please point
> the tribander north and south part of the hunt?? Or switch to a
> dipole or other less directional antenna that gives the rest of us a
> fighting chance to get a pelt?
>
> >I will be Low with my fixed 4 el mono EAST (got it fixed after 3
> trips up
> >the 70 footer), and the 4 el tribander that I used my last Fox will
> be West.
> >I will have to switch them but its a fast switch.
>
> Tnx.
>
> 72/73,

> *Lew*
> N5ZE

Date: Wed, 7 Aug 2002 21:51:59 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@lehigh.edu>
Subject: [131722] DX - TY6FB - Benin -
Message-ID: <Pine.LNX.4.33.0208072150190.26026-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

he's on 14.195 up 4 - worked him as VE5QRP, running 5 watts at 0340Z and a
2 el tribander at 50 ft...good luck!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Wed, 07 Aug 2002 23:02:59 -0500
From: Dave Hottell <hottell@gulftel.com>
To: robink@us.ibm.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131723] Re: End fed wire antenna
Message-ID: <3.0.6.32.20020807230259.00d4cea0@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Robin,

OOPS!! Forgot to include that the frequency at which I was working on that
analysis was 3.8 MHz -- 75 meters.

73,
Dave
AB9CA/4

At 05:09 PM 8/7/02 -0400, Robin Kidd wrote:

>
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>have watched this battle go on about the end fed wire antennas with some
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>this list with some modicum of testing to back them up. If you don't agree
>with the results/ideas tell me why, but please don't drag someone down
>because you happen to disagree with their approach. This is a large hobby
>with room for experimenters of all types. I for one enjoy someone putting
>ideas out that are a little radical just as long as there is some proof as
>to the validity of the idea.

>
>Regards,
>
>Robin J. Kidd
>KG4RSQ
>

>Remember, the Ark was created by inspired amateurs but the Titanic was
>created by professionals...

>
>kg4rsq@arrl.net
>
>
>
>

Date: Thu, 8 Aug 2002 00:30:27 -0400
From: "Makai - Stanislav Cay" <makai@makai.org>
To: <grp-1@lehigh.edu>
Subject: [131724] One Item Left FS
Message-ID: <PJEGKOFJPBGIMIDLNDIAEJDCAAA.makai@makai.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Gang...

I only have the Timewave ANC-4 Antenna Noise Canceller remaining...

Timewave ANC-4 Antenna Noise Canceller \$125 plus shipping

I will reduce the price on this unit in like new condition to \$110 including shipping to the US... Thanks for helping me towards my next QRP project... Take care and have fun...

72 - Bruce - KL7H/C6A
kl7h@makai.org

<http://www.makai.org/KL7H-C6A>

Date: Wed, 7 Aug 2002 23:41:55 -0500
From: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
To: "Jim N0UR" <n0ur@attbi.com>, "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [131725] RE: Fox: Looks like a couple "zeros" this week.
Message-ID: <41200284844155707@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Jim, Al and Gang:

Doggonit, ole K0EVZ will miss yet another pair of FOX hunts tomorrow evening. Will be flying back from a week of work and play in Anchorage, AK. Have had a terrific time here, and the best thing has been finally to meet Jim Larsen AL7FS in person. Today he treated me to a wonderful meal, and then we visited his home shack. Wow, this guy is highly experienced technically as well as be an A-1 class QRP'er. Wish everyone could have the same experience. Thanks Jim.

Anyway, good luck one and all tomorrow evening. Also GL for the Truffle hunt which precedes the FOX Hunts by 30 minutes.

73,
--Doc/K0EVZ

> [Original Message]
> From: Jim N0UR <n0ur@attbi.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: 8/7/2002 1:46:52 PM
> Subject: Fox: Looks like a couple "zeros" this week.
>
> Be sure to get on and see if I can hear you. I will be the "high"

station,
> and A1 / K0FRP will be the loud station.
>
> That's tomorrow (Thursday) night at 0200Z.....I sure wish it was 1 hour
> earlier.
>
> Thanks es good luck
>
> Jim NOUR

--- Doc L

Date: Thu, 8 Aug 2002 01:48:06 -0400
From: John <paynej1@strato.net>
To: qrp-l@lehigh.edu
Subject: [131726] Re:Hoof in mouth disease
Message-ID: <200208080544.g785iPmB015971@purple-mail-25.mailpod.inside.strato.net>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Wednesday 07 August 2002 08:59 pm, you wrote:

> Hi Brandon:
>
> Just remember, the object is to have fun, and if you wax enthusiastic,
> well, more power to you! Don't let the old curmudgeons who never have
> anything good to say spoil it for you.
>
> 72/3 deN4FLJ
> Illegitimi non carborundum! (Don't let the bastards wear you down!)
> paynej1@strato.net
> 2002-08-07

Date: Thu, 08 Aug 2002 01:00:10 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: wr3i@earthlink.net,
 Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131727] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <022101c23ea0\$dad55a20\$6501a8c0@cst1tn01.in.comcast.net>

MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks Dave. Yes, I've actually joked around with a few folks about running KA8MAV/MSP (machine shop portable). I figured I go out in the woods... setup shop... build a key and use it to make contacts. All from a 12-volt battery! Hmmm.... maybe the worlds first SOLAR powered machine shop? These miniature mills and lathes are definitely the right size and price for QRP fun! I'm also planning on building a 1/4 scale version of my all time favorite key... the Lionel J-38. Has anyone ever done anything like that before? I figure the original is a bit large for my little QRPP rigs... so I'm going to build a tiny one to go with them. Maybe it'll even fit into an Altoids tin to protect it!

For those of you who haven't looked at the site yet because you think a milling machine and a lathe can't be that affordable... the mill is \$249 and the metal lathe is only \$149! No, these aren't toys. These unique miniature mills and lathes are designed and precision manufactured from aircraft quality, (6061 temper 6) aluminum by Clisby Design Engineering in Adelaide, South Australia.

Have fun!

Oh... and Dave... be sure to send me a photo of the new "Dave's Key" when you get it built. :-)

73/72/71! de Brice KA8MAV
Clisby Miniature Machines Web site:
<http://www.cyberbound.net/clisby>

----- Original Message -----

From: "Dave Richards" <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 07, 2002 8:31 PM
Subject: RE: Clisby Vertical Milling Machine and Lathes

> 000! 000! I see Fortune Imagine The New Dave's key millions sold!
> Hi Hi Seriously Brice they look good and not expensive either good post
> Dave
> WR3I
>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Brice D. Hornback
> Sent: Wednesday, August 07, 2002 9:19 PM
> To: Low Power Amateur Radio Discussion

> Subject: Clisby Vertical Milling Machine and Lathes
>
>
> Hello everyone. Have you ever thought about making your own straight keys
> or paddles but your metal shop consists of only a cordless drill and a
hack
> saw? Well... I'd like to introduce you to the Clisby Miniature Machines.
> These are precision miniature mills and lathes made for milling or turning
> metals such as brass, aluminum, and mild steel, as well as plastics and
> wood, etc. They were designed by Harold Clisby, the original designer of
> the original Sherline Lathe. They are perfect for folks who have limited
> shop space or only have a need to work on small parts. They also run from
> 12-volts, so they could be used in a portable machine shop quite easily.
> They are small... but very high-quality and VERY affordable.
>
> Perfect for beginners or experience machinists, these machines offer the
> QRPer/Homebrewer the tools necessary to build custom Morse code keys and
> paddles, PTO tuning assemblies, custom enclosure cutouts, and more. They
> also look like they would be easy to convert to CNC to do automated small
> parts and maybe route small circuit boards too!
>
> Check out my Clisby Miniature Machines Web site:
> <http://www.cyberbound.net/clisby>
>
> 73/72/71! de Brice KA8MAV
>
>
>

Date: Wed, 7 Aug 2002 23:14:03 -0700 (PDT)
From: Wayne AA5JJ <aa5jj@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131728] WTB USED "ZM-2 ATU"
Message-ID: <20020808061403.32335.qmail@web10504.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Looking for a used ZM-2 ATU if you have one that you
are not using drop me a note I would like to have one,
yes I know I can buy the kit.
thanks for reading 73 Wayne AA5JJ

please reply to aa5jj@yahoo.com

Do You Yahoo!?
HotJobs - Search Thousands of New Jobs
<http://www.hotjobs.com>

Date: Thu, 08 Aug 2002 06:48:57 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: bdh@cyberbound.net, qrp-1@lehigh.edu
Subject: [131729] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <F168zebRkoJDQnTCG0o000150d0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Brice D. Hornback" <bdh@cyberbound.net>
>Reply-To: bdh@cyberbound.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Clisby Vertical Milling Machine and Lathes
>Date: Wed, 07 Aug 2002 20:19:09 -0500

>
>Hello everyone. Have you ever thought about making your own straight keys
>or paddles but your metal shop consists of only a cordless drill and a hack
>saw? Well... I'd like to introduce you to the Clisby Miniature Machines.

I thought of getting a Clisby lathe, but it was a bit too small for me, so I
got a Taig (Peatol in the UK. It's very robust, and quite inexpensive,
although the cost mounts up when you start buying tooling and the various
attachments, like a vertical slide for milling.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Thu, 8 Aug 2002 05:51:21 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@lehigh.edu
Subject: [131730] Dipole >?<
Message-ID: <20020808.055348.-348391.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Regardless of length, how do you 'end feed' a dipole ?

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 8 Aug 2002 06:42:55 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@lehigh.edu
Subject: [131731] end fed . . .
Message-ID: <20020808.064305.-348391.3.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I can't hardly stand it ! ! !
This is more fun than shootin fish in the rain bucket . . .

If "that" antenna lQQks like a cow pie
AND
smells like a cow pie . . . then guess what ?

- 1) There ain't no free lunch
- 2) It is a short end feed dipole
- 3) It is a pile of horse punkies
- 4) it is a smokin what ?

John
N3AAZ
FM 19 xa

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Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/web/>.

Date: Thu, 8 Aug 2002 06:37:58 -0400
From: "John Dorson" <jdorson@worldshare.net>
To: <robink@us.ibm.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131732] Re: Random Wire vs. Magnetic Loop in Apartment
Message-ID: <003a01c23ec7\$b5204480\$681ef343@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Try thr ARRL ant. handbook.

John K2JHU...

----- Original Message -----

From: "Robin Kidd" <robink@us.ibm.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 07, 2002 10:54 PM
Subject: Re: Random Wire vs. Magnetic Loop in Apartment

>
> Does anyone know of a place that I can get the construction information
for
> an indoor magnetic loop. I am primarily interested in 40m,30m and 20m.
> Thanks in advance
>
> Regards,
>
> Robin J. Kidd
> KG4RSQ
>
> Remember, the Ark was created by inspired amateurs but the Titanic was
> created by professionals...

>
> kg4rsq@arrl.net
>
>
>

Date: Thu, 8 Aug 2002 06:58:35 -0400
From: "Dave Richards" <wr3i@earthlink.net>
To: <jdorson@worldshare.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131733] RE: Random Wire vs. Magnetic Loop in Apartment
Message-ID: <FAEEKPCBNNDNKGMPBKIEHLCFAA.wr3i@earthlink.net>

Do search for g3fon web site he has a great loop I have made it and it works
fine
Sorry I cant Remember what his site address is
Dave
WR3I

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
John Dorson
Sent: Thursday, August 08, 2002 6:38 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Random Wire vs. Magnetic Loop in Apartment

Try thr ARRL ant. handbook.

John K2JHU...
----- Original Message -----
From: "Robin Kidd" <robink@us.ibm.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 07, 2002 10:54 PM
Subject: Re: Random Wire vs. Magnetic Loop in Apartment

>
> Does anyone know of a place that I can get the construction information
for
> an indoor magnetic loop. I am primarily interested in 40m,30m and 20m.
> Thanks in advance
>
> Regards,
>

> Robin J. Kidd
> KG4RSQ
>
> Remember, the Ark was created by inspired amateurs but the Titanic was
> created by professionals...
>
> kg4rsq@arrl.net
>
>
>

Date: Thu, 08 Aug 2002 07:07:13 -0400
From: Jimmy Lee <jrllaudio@bellsouth.net>
To: robink@us.ibm.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131734] Re: End fed wire antenna
Message-ID: <3D5250E1.3732678E@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here, Here
Jim, AE4DT

Robin Kidd wrote:

> Maybe I am still naive enough to think that hams try to help each other. I
> have watched this battle go on about the end fed wire antennas with some
> real misgivings about where this is all going. I have only been a ham
> since February of this year. I have been excited about this hobby up till
> now - let try to help each other to get on the air and not get into a
> pissing contest. Each person has ideas that hopefully have been put on
> this list with some modicum of testing to back them up. If you don't agree
> with the results/ideas tell me why, but please don't drag someone down
> because you happen to disagree with their approach. This is a large hobby
> with room for experimenters of all types. I for one enjoy someone putting
> ideas out that are a little radical just as long as there is some proof as
> to the validity of the idea.
>
> Regards,
>
> Robin J. Kidd
> KG4RSQ
>

> Remember, the Ark was created by inspired amateurs but the Titanic was
> created by professionals...
>
> kg4rsq@arrl.net

Date: Thu, 8 Aug 2002 07:18:57 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <kheimbach@ev1.net>
Cc: <qrp-1@lehigh.edu>
Subject: [131735] Re: Embedded Research Email Address
Message-ID: <000901c23ecd\$639dd0e0\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The last address I have is <http://www.embres.com>. Is that the one you tried?

GL es 72

Howard Kraus, K2UD
----- Original Message -----
From: "Karl Heimbach" <kheimbach@ev1.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, August 07, 2002 8:22 PM
Subject: Embedded Research Email Address

> Gang,
>
> Have a sick Tick chip that came with the Norcal 20. I've been trying to
> contact Embedded Research via email for a couple of weeks now, but without
> success.
>
> I've used the email address shown on their webpage, and wonder if it is
> current. Does anyone know of a more recent one?
>
> Thanks,
>
> Karl - W5QJ
>
>
>
>

Date: Thu, 8 Aug 2002 07:36:45 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: G3UGF <g3ugf@norcomm.co.uk>
Cc: QRP List <qrp-l@lehigh.edu>
Subject: [131736] Re: Index QRP+
Message-ID: <20020808072334.J67445-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 7 Aug 2002, G3UGF wrote:

> Danny,
>
> You're a man who knows most things ! My Index QRP+ (serial 171) came to me
> direct from Bruce Franklin opened up for transmit on all frequencies,
> because I asked for it that way. I have never found out how it's done , do
> you know? is it a link or something in software ?
>
> A friend here has asked me to find out so that he, like me, can use it for
> QRP CW on the experimental band at 5Mhz.

Sorry, Richard

I have no idea how it was accomplished. I had to sell my QRP+ this past
Winter to take care of some cash flow problems.

Unfortunately the Gentleman who knew all about the QRP+ Stan Yarema, K7SZ,
became a "Silent Key" this past year. I do not know who is the QRP+
Repairman now.

I will post this reply to the QRP-L List, If anyone knows the answer, I am
sure it will be one of the qrp-l list members.

Let's see what happens..

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 8 Aug 2002 06:04:31 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: John R Kirby <n3aaz-qrp@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131737] Re: Dipole >?<
Message-ID: <Pine.LNX.4.44.0208080601580.1687-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John, you feed it in the Zepp manner as defined well in the ARRL
Antenna Book of 1970, page 103. Use a 2 wire feedline with a
characteristic impedance and connect only 1 side at the antenna end.

On Thu, 8 Aug 2002, John R Kirby wrote:

>
> Regardless of length, how do you 'end feed' a dipole ?
>
> John
> N3AAZ
> FM 19 xa
>
>
> -----
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> <http://dl.www.juno.com/get/web/>.
>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 08 Aug 2002 08:25:03 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131738] Re: Dipole >?<
Message-ID: <3D52631F.8070102@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Karl F. Larsen wrote:

> Use a 2 wire feedline with a
> characteristic impedance and connect only 1 side at the antenna end.
>
>

> On Thu, 8 Aug 2002, John R Kirby wrote:

>
>
>
>> Regardless of length, how do you 'end feed' a dipole ?

>>
>>
>>
>>

If only one side of the dipole is connected, you are end feeding a dipole? I have either forgotten something, never learned something, or we are not in Kansas anymore.

Ed Lawson
K1VP

Date: Thu, 08 Aug 2002 08:35:17 -0400
From: Tom Mc <tjmc@erols.com>
To: k3tks@u1.abs.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131739] Index QRP+ eprom mods ; 5mhz band??
Message-ID: <3D526585.1DD9A803@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> opened up for transmit on all frequencies,
> because I asked for it that way. I have never found out how it's done , do
> > you know? is it a link or something in software ?

Well , it requires a new burning of the ROM chip...
Anyway here's the info if it helps.

best
Tom aa2vk

--

```
*****
*   Member of NORCAL, NJQRP, LIQRP, HFPack  *
*               K2 #1213                      *
* LIQRP Web Page: www.erols.com/tjmc/liqrp *
*   Personal web page : www.erols.com/tjmc  *
*****
```

> Hi gang,
> i have been asked by a number of OMs how to patch the Eprom of the
> QRP+. The computer specialist of the Activity Group QRP berlin DH7ADR
> hereby gives the answer.

>
> How to patch the QRP-Plus EPROM
> -----
> Copyright 1995 (C) Dr. Andreas Tomiak, DH7ADR

>
> AX.25: DH7ADR@DB0GR.#BLN.#DEU.EU
> Email: tomiak@hmi.de

>
> No warranty, all rights reserved
> non-commercial use granted

>
> Version 1.0, 18. August 1995
> All patches are in hexadecimal notation of numbers

>

```

> -----
>
> Patch #1
> -----
> Removal of the lock for transmissions out of the amateur radio bands
>
> Address      Value (orig)  Value (new)
>
> $4A5         $83         $00
>
> -----
>
> Patch #2
> -----
> New keyer speeds (twice as before, improved scaling).
> 16 speeds, 6 to 26 WPM
>
> part 1: time constants
>
> old
> $550 78 78 50 50 3C 3C 30 30 28 28 22 22 1E 1E 1B 1B
> new
> $550 C8 AB 96 85 78 6D 64 5C 56 50 4B 43 3C 37 32 2E
>
> part 2: values for display
> old
> $BB6 10 10 15 15 20 20 25 25 30 30 35 35 40 40 45 45
> new
> $BB6 06 07 08 09 10 11 12 13 14 15 16 18 20 22 24 26
>
> If you want to choose your own time constants:
> time constant = 6000/WPM = 1200/BPM
> The displayed values will be the BCD values of the time constants.
>
> -----
>
> Patch #3
> -----
> Your call sign as power-on display
>
> The content of the display after power-on is stored backwards
> into 6 bytes from $30 in a special display code. All 6*7
> segments are freely programmable. You have to experiment here
> a little bit, because of the limited number of possible
> alphanumeric characters on 7 segment displays.
>
> Display-Code:
>

```

```

>
>      6
>      ---
>      |  |
>      1 |  | 5
>      | 0 |
>      ---
>      2 |  | 4
>      |  |
>      ---
>      3
>
>      Every segment is assigned to one bit:
>
>      segment number
>      e.g. 76543210
>      00111101 $3D d
>      00111011 $3B H
>      01110000 $70 7
>      01110111 $77 A
>      00111101 $3D d
>      00000101 $3B r
>
> The resulting call dh7Adr will be stored now as follows:
>
> $30 05 3D 77 70 3B 3D
>
> A Table with numbers from 0-9, C and a two-part W is stored
> at address $184 to $191. This table will be used for general
> display.
>
>
> 72/73 de Andreas, DH7ADR
> Peter, DL2FI
>
> ---
> Via GQRP-L - The G-QRP Club mailing list
>
> >From ZenkerPN_at_DEBER@ccip.perkin-elmer.com Mon Jan 29 08:17:34 1996
> Date: Tue, 31 Oct 1995 14:31:52 -0500 (EST)
> From: ZenkerPN <ZenkerPN_at_DEBER@ccip.perkin-elmer.com>
> To: cebik@utkvtx.utk.edu
> Subject: Re[2]: GQRP - QRP+ EPROM PATCH
> Status: RO

```

```

-----
-----

Date: Thu, 8 Aug 2002 08:29:45 -0400
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131740] August Spartan Sprint Results
Message-ID: <001401c23ed8$3a76afb0$b7075dd8@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
      charset="iso-8859-1"

```

Content-Transfer-Encoding: 7bit

Below are the results on Monday's Sprint. The Soapbox will be on the web site <http://www.natworld.com/ars/> in the next day or two.

Also, the final "Flight of the Bumblebees" results and soapbox will be on the web site.

Thanks to all that participated on both contests. See you for the September Sprint!

72/73 de K8HJ

John

Contest Manager

Adventure Radio Society

- - - - -

The August Spartan Sprint had a good turnout of 59 logs and good band conditions in most places.

N7RVD led the Skinny Division with a station weight of only about a third of a pound! The Tubbies were led by N7LT with a whopping 72 contacts.

Twenty meters was the workhorse with forty close behind. There were a handful of contacts on fifteen, one on eighty, and nothing on ten meters.

Hope everyone had fun and see you next month!

-- Skinny Division --

Call	80M	40M	20M	15M	10M	Points	Weight	Points
Per Pound								
N7RVD	0	0	21	0	0	21	0.37	56.76
K7TQ	0	0	42	0	0	42	1.06	39.62
AA4XX	0	0	20	0	0	20	0.6	33.33
W3KC	0	24	25	0	0	49	1.8	27.22
WB8RTJ	0	28	42	0	0	70	2.8	25
K3ESE	0	33	14	0	0	47	2.3	20.43
K7RE	0	4	60	0	0	64	3.57	17.93
W7SST	0	0	12	0	0	12	0.68	17.65
N4HAY	0	13	43	0	0	56	3.5	16
N3AO	0	25	9	0	0	34	2.3	14.78
K4MF	0	10	33	5	0	48	3.5	13.71
K6PZB/9	0	0	31	0	0	31	2.6	11.92
K8HJ	0	18	26	0	0	44	4.5	9.78
W1PID	0	8	11	0	0	19	2.2	8.64
N0TK	0	7	13	0	0	20	2.4	8.33
AE6GL	0	12	0	8	0	20	2.4	8.33
KE9V	0	14	12	0	0	26	3.3	7.88

KG4LDY	0	11	0	0	0	11	1.4	7.86
AE6N	0	0	9	0	0	9	1.25	7.2
K4GT	0	0	13	0	0	13	2	6.5
N9RY	0	0	20	0	0	20	3.1	6.45
KI0II	0	3	18	0	0	21	3.5	6
N8WE	0	0	9	0	0	9	2	4.5
K4AVX	0	17	7	0	0	24	6.3	3.81
AL7FS	0	0	22	0	0	22	6.5	3.38
K4KJP	0	0	15	0	0	15	4.5	3.33
WA4CIT	0	21	7	3	0	31	9.5	3.26
KH6B	0	0	9	4	0	13	4.5	2.89
AB2KT	0	8	13	0	0	21	7.5	2.8
N7LT	0	0	66	6	0	72	30	2.4
W6EU	0	17	44	5	0	66	30	2.2
K4BX	0	13	7	2	0	22	10	2.2
KA3WMJ	0	12	7	0	0	19	9	2.11
NJ4X	0	24	34	0	0	58	30	1.93
K8CV	0	23	28	0	0	51	30	1.7
KD5LX	0	2	17	0	0	19	12.5	1.52
K04PY	0	4	2	0	0	6	4	1.5
N9WW	0	0	11	0	0	11	7.8	1.41
KG8GW	1	29	10	0	0	40	30	1.33
AD6YU	0	0	1	0	0	1	0.82	1.22
KG6HOD	0	6	0	0	0	6	5	1.2
AD6WE	0	0	9	0	0	9	10	0.9
K5JHP	0	8	17	0	0	25	30	0.83
VE6QSL	0	0	9	0	0	9	12	0.75
W7WIK	0	9	13	0	0	22	30	0.73
K8KFJ	0	9	10	0	0	19	30	0.63
N4DMI	0	0	8	2	0	10	19	0.53
K3AS	0	9	7	0	0	16	30	0.53
N1SB	0	2	12	0	0	14	30	0.47
WR50	0	3	11	0	0	14	30	0.47
WB0QQT	0	6	8	0	0	14	30	0.47
AC5XK	0	1	9	0	0	10	30	0.33
WF6D	0	4	2	1	0	7	30	0.23
K6RPN	0	7	0	0	0	7	30	0.23
AB4VF	0	0	7	0	0	7	30	0.23
AA2BN	0	3	0	2	0	5	30	0.17
NR5A	0	0	3	0	0	3	30	0.1
KG4GVL	0	2	0	0	0	2	30	0.07
KB7LOC	0	0	0	0	0	0	10	0

-- Tubby Division --

Call	80M	40M	20M	15M	10M	Points
N7LT	0	0	66	6	0	72
WB8RTJ	0	28	42	0	0	70

W6EU	0	17	44	5	0	66
K7RE	0	4	60	0	0	64
NJ4X	0	24	34	0	0	58
N4HAY	0	13	43	0	0	56
K8CV	0	23	28	0	0	51
W3KC	0	24	25	0	0	49
K4MF	0	10	33	5	0	48
K3ESE	0	33	14	0	0	47
K8HJ	0	18	26	0	0	44
K7TQ	0	0	42	0	0	42
KG8GW	1	29	10	0	0	40
N3AO	0	25	9	0	0	34
WA4CIT	0	21	7	3	0	31
K6PZB/9	0	0	31	0	0	31
KE9V	0	14	12	0	0	26
K5JHP	0	8	17	0	0	25
K4AVX	0	17	7	0	0	24
AL7FS	0	0	22	0	0	22
W7WIK	0	9	13	0	0	22
K4BX	0	13	7	2	0	22
AB2KT	0	8	13	0	0	21
N7RVD	0	0	21	0	0	21
KI0II	0	3	18	0	0	21
N0TK	0	7	13	0	0	20
AA4XX	0	0	20	0	0	20
N9RY	0	0	20	0	0	20
AE6GL	0	12	0	8	0	20
W1PID	0	8	11	0	0	19
K8KFJ	0	9	10	0	0	19
KD5LX	0	2	17	0	0	19
KA3WMJ	0	12	7	0	0	19
K3AS	0	9	7	0	0	16
K4KJP	0	0	15	0	0	15
N1SB	0	2	12	0	0	14
WR50	0	3	11	0	0	14
WB0QQT	0	6	8	0	0	14
K4GT	0	0	13	0	0	13
KH6B	0	0	9	4	0	13
W7SST	0	0	12	0	0	12
KG4LDY	0	11	0	0	0	11
N9WW	0	0	11	0	0	11
AC5XK	0	1	9	0	0	10
N4DMI	0	0	8	2	0	10
AE6N	0	0	9	0	0	9
AD6WE	0	0	9	0	0	9
N8WE	0	0	9	0	0	9
VE6QSL	0	0	9	0	0	9
WF6D	0	4	2	1	0	7

K6RPN	0	7	0	0	0	7
AB4VF	0	0	7	0	0	7
KG6HOD	0	6	0	0	0	6
K04PY	0	4	2	0	0	6
AA2BN	0	3	0	2	0	5
NR5A	0	0	3	0	0	3
KG4GVL	0	2	0	0	0	2
AD6YU	0	0	1	0	0	1
KB7LOC	0	0	0	0	0	0

Date: Thu, 8 Aug 2002 08:44:44 -0400
 From: "Alverson, Tom" <TomA@xetron.com>
 To: "'n3aaz-qrp@juno.com'" <n3aaz-qrp@juno.com>
 Cc: "'qrp-1@Lehigh.EDU'" <qrp-1@lehigh.edu>
 Subject: [131741] RE: Dipole >?<
 Message-ID: <7D72C1B2F7A3D21191F8006097149AC002EFBB37@s3.xetron.com>
 MIME-Version: 1.0
 Content-Type: text/plain

You can end feed a dipole by using the coax as one side of the dipole and wire as the other side. You would need to choke off the RF current from the outside of the coax at the right distance from the "center" (the junction of the coax and the wire. You could do this by coiling up 10 or 20 turns of coax to form a choke or by using ferrite beads, or by winding the coax around a large toroidal ferrite "donut".

=====choke=====

Feedline to tx	1/4wave	center	1/4wave
----------------	---------	--------	---------

73 de Tom NU8D

-----Original Message-----
 From: John R Kirby [mailto:n3aaz-qrp@juno.com]
 Sent: Thursday, August 08, 2002 5:51 AM
 To: Low Power Amateur Radio Discussion
 Subject: Dipole >?<

Regardless of length, how do you 'end feed' a dipole ?

John
N3AAZ
FM 19 xa

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 08 Aug 2002 08:53:34 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [131742] Re: End fed...
Message-ID: <5.1.0.14.1.20020808085133.00a48990@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:01 PM 8/7/2002 -0400, you wrote:
>Don't worry about the stink and smoke, Robin... it's not contagious. Seems
>that
>an unfortunate few choose these open arenas to expose their character defects.
>Leads one to wonder if that's possibly caused back in childhood by having one
>end of a conductor in their mouths (or other orifice) and getting way too
>intimate with a wall outlet.

Seab,

No, that's not it. I had an encounter like that (in the mouth) when I was
about 3, and I haven't been involved in any flame wars on QRP-L.

After an eye-opener like that, it's easy to see that life's too short.

Dave

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 8 Aug 2002 08:55:06 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <k1vp@grizzly.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131743] Re: Dipole >?<
Message-ID: <003501c23eda\$d26f5720\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed, even tho it's not our customary use of the term, the paper in question uses the term 'dipole'. Given the explanation provided it seems a reasonable application of the term. check out:

<http://snow.prohosting.com/w0rcy/Jpole/jpole.html>

72/73
AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: "Ed Lawson" <k1vp@grizzly.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 08, 2002 8:25 AM
Subject: Re: Dipole >?<

> Karl F. Larsen wrote:
>
> > Use a 2 wire feedline with a
> > characteristic impedance and connect only 1 side at the antenna end.
> >
> >
> > On Thu, 8 Aug 2002, John R Kirby wrote:
> >
> >
> >
> >> Regardless of length, how do you 'end feed' a dipole ?
> >>
> >>
> >>

> >>
> If only one side of the dipole is connected, you are end feeding a
> dipole? I have either forgotten something, never learned something, or
> we are not in Kansas anymore.
>
> Ed Lawson
> K1VP
>

Date: Thu, 08 Aug 2002 09:03:52 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [131744] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <5.1.0.14.1.20020808090135.00a7c870@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:00 AM 8/8/2002 -0500, you wrote:
>Yes, I've actually joked around with a few folks about running
>KA8MAV/MSP (machine shop portable). I figured I go out in the woods...
>setup shop... build a key and use it to make contacts. All from a 12-volt
>battery! Hmmm.... maybe the worlds first SOLAR powered machine shop?

You know, the very beginnings of the Industrial Revolution were powered by
water wheels. Has anybody seen, built, or used a small water turbine for
powering a portable station?

Dave

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 8 Aug 2002 09:11:07 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131745] Re: Clisby Vertical Milling Machine and Lathes

Message-ID: <00ab01c23edd\$1011ed20\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "David Hinerman" <WD8CIV@worldnet.att.net>

> You know, the very beginnings of the Industrial Revolution were powered
by
> water wheels. Has anybody seen, built, or used a small water turbine for
> powering a portable station?
>
> Dave

There's all kinds of water power generators available on the web. The
smallest I've 'looked at' was 300W, but I believe they come much smaller.
I 'seem' to recall one at 100W, but I can't be sure how small they go.

The small guys are fed almost by big garden hoses. I saw one that
advertised that it worked with as little as 12" of drop (if you fed with
BIG pipes with no restrictions!)

That's small enough to find a small stream and just place a garden hose
in it and then go place your generator downhill as far as you can go!

Most of the small ones I looked at were about the size of a car generator
with the axis vertical, and had a 'water wheel' underneath that turned
in a horizontal plane. The wheel looked like a set of spoons, and
the 'platform' had 4 feeds for water that squirted in from the sides at
the spoons.

Mike

Date: Thu, 08 Aug 2002 08:25:07 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [131746] For Sale - Ten-Tec AC-4 & AC-5 Set
Message-ID: <5.1.1.6.0.20020807093458.00a39af0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good morning,

Selling as a set, please - \$55.00 shipped US.

Ten-Tec AC-4 SWR Bridge (matches PM series).

AC-5 Tuner (matches Argonaut 505/509 series) for balanced line or random wire only.

The AC-4 is mint - the AC-5 is very good, one mini-alligator clip replaced.

No manuals, original two compartment Ten-Tec packaging.

Many thanks,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 8 Aug 2002 08:26:31 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <w1pid@yahoo.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131747] Re: Rock-Mite Marvels
Message-ID: <000001c23ef9\$44d3b860\$95e5d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>>-----Original Message-----
From: Jim Cluett <w1pid@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, August 07, 2002 16:56 PM
Subject: Rock-Mite Marvels

.....Dave... nice going. How about an
enclosure? Jim w1pid@arrl.net
<<
Jim-

Thanks for the kind words! How's about you go get an Altoids tin? <g>

Seriously, the issue with enclosure kits is that they're pretty expensive to produce. Enclosures which meet our expectations for commercial products,

i.,e, predrilled and labelled, run about \$15 apiece to procure in small (50-100) quantities. Throw in connectors and we're talking an enclosure kit which costs as much as the Rock-mite itself.

So... here's a suggestion- I know the topic of working with Altoids tins has come up before.

As folks come up with neat packaging schemes and tips for working with the Altoids tins, feed them to Rod, NØRC, and I'm sure he'll be pleased to post them on his Rock-mite page.

(Two can play at this game, Doug! <g>).

The other option might be something like an inexpensive LMB enclosure with drill templates, connector part numbers and transparent-label drawings available online. In the classic parlance of textbooks everywhere, this is left as an exercise for the reader.

in other Rock-mite news-

I received a wave of orders in mid-July, immediately prior to a planned vacation. Since our return we've shipped about 150 Rock-mites so far and have a stack of orders about that size still to plow through. Please be patient- you'll get your kit! These orders are not individually tracked on my website- my time is better spent shipping these kits than massaging website statuses for them.

European builders will be pleased to hear that the Rock-mite will soon be available with 7.030 Mhz crystals. I will not be stocking these- this version will be available through QRPproject (Peter Zenker) in Berlin.

thanks for the commercial bandwidth- 73, Dave Benson, K1SWL

Date: Thu, 08 Aug 2002 14:04:12 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [131748] FS: K8RA Iambic Paddle
Message-ID: <0E66qArIk00NfUKLJJA0000a892@hotmail.com>

For Sale: K8RA P-1 Iambic Paddle, new, never used in neat plexiglass box. Really a nice unit, see hometown.aol.com/k8ra/ for pix and details. Also e.ham has some rave reviews.

Reason for sale: ended up with an extra due to a trade.

\$60.00 shipped, save yourself \$15.00.

Alan, N3BJ
Bent Mountain, VA

Date: Thu, 8 Aug 2002 10:05:07 -0400
From: "Lee Mairs" <lmairs@cox.net>
To: <dave@redhotradio.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131749] Re: NorCal VX0 Contest
Message-ID: <008b01c23ee6\$4755f110\$3627f7a5@isp7000>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So much for building a voltage doubler on the output of the 78L08 I guess...
73 de Lee
KM4YY

> ... We're going to measure the
> VX0's stability at both tuning diode voltage extremes, which
> will be 0V and +8V ('cuz you have to use an 8V rail, right
> Doug?).

Date: Thu, 8 Aug 2002 07:53:55 -0700
From: "Bill Walker" <wv7g@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131750] Re: Random Wire vs. Magnetic Loop in Apartment
Message-ID: <000601c23eeb\$6bfc2ac0\$020aa8c0@pluto>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Dave Richards"

> Do search for g3fon web site he has a great loop I have made it and it
works
> fine
> Sorry I cant Remember what his site address is
> Dave
> WR3I

Actually it's G4FON and the web address is <http://www.qsl.net/g4fon/> .
Ray's design is definitely worth a look if you want a simple portable loop.

Bill Walker - WV7G

Date: Thu, 08 Aug 2002 10:43:10 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [131751] The Mighty Rock Mite!
Message-ID: <3.0.6.32.20020808104310.007ae590@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Finally made a contact with my Rock Mite last night - in fact three of them.

First was with AA1MY - making possibly the first R-M to R-M contact! Of course, I knew Seab would be on, as he stopped by the shop earlier and I outfitted his Rock Mite with one of the new AAPB filter boards. Sure, enough, latter last night I head him working a station and gave a call when he was done. We're only 15 or so LOS miles apart and our antennas aren't exactly NVIS types, so took a few tries to attract his attention :-)

After that I heard Seab work a few more stations - one in Chicago - then go QRT, so I decided to send out a few CQ's of my own. Eventually, W3EEK came back and gave me a 57 from PA! We had a regular 20 minute rag chew!

Then as I signed with W3EEK, I hear someone calling me! K5TR from TX no less! That QSO was a bit rough, my rst was only 4x3 but we were able to exchange the basics.

Antenna was the G5RV "Shorty" up 40 feet, as for some reason I got less SWBCI with it than the "88". Power was 500 mw +/-.

Pretty amazing! Not bad for a "code practice oscillator" :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 8 Aug 2002 10:20:22 -0500
From: "Rob Matherly" <w0jrm@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131752] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <00af01c23eef\$76bd0480\$8211a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recall seeing something called a "Smithy Drill/Mill/Lathe" in High School (only about 4 years ago for me ;^)) for around 650 bucks. Thought about getting one, but my shop teacher advised that for that price, and since it was an all-in-one deal, it probably would be a good idea to avoid it :^)

72/73/oo
Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

----- Original Message -----
From: Leon Heller <leon_heller@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, August 08, 2002 1:48 AM
Subject: Re: Clisby Vertical Milling Machine and Lathes

>
>
>
> >From: "Brice D. Hornback" <bdh@cyberbound.net>
> >Reply-To: bdh@cyberbound.net
> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> >Subject: Clisby Vertical Milling Machine and Lathes
> >Date: Wed, 07 Aug 2002 20:19:09 -0500
> >
> >Hello everyone. Have you ever thought about making your own straight
keys
> >or paddles but your metal shop consists of only a cordless drill and a
hack
> >saw? Well... I'd like to introduce you to the Clisby Miniature Machines.
>
> I thought of getting a Clisby lathe, but it was a bit too small for me, so
I
> got a Taig (Peatol in the UK. It's very robust, and quite inexpensive,
> although the cost mounts up when you start buying tooling and the various

> attachments, like a vertical slide for milling.
>
> 73, Leon
> --
> Leon Heller, G1HSM Tel: +44 1424 14790
> Email:leon_heller@hotmail.com
> My web page: http://www.geocities.com/leon_heller
> My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
> -----
> Join the world s largest e-mail service with MSN Hotmail.
> <http://www.hotmail.com>

Date: Thu, 8 Aug 2002 11:32:50 -0400
From: John <paynej1@strato.net>
To: Bruce Muscolino <w6toy@erols.com>
Cc: qrp-l@lehigh.edu
Subject: [131753] Re: Hoof in mouth strikes again!!
Message-ID: <200208081529.g78FT7mB003561@purple-mail-25.mailpod.inside.strato.net>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

And tell me you don't run off at the mouth. And the reaction is- boredom!
It's always the same old thing, Bruce is better than anyone else because blah
blah blah... My point is that others don't have to conform to your ideas
about proper behavior, and if you don't like it then go away and stop trying
to make the rest of us conform like good little robots!

I am not active right now, but I imagine that I would have much the same
level of excitment at a good DX contact or similar, and it is justified
because it's my feelings. As for other hams, probably 90% of the times I've
"bragged" about a contact, the reactions have been congratulatory in nature,
i.e. "keep up the good work!", etc. I suppose you have never experienced the
awe of a first contact with a rig you built yourself, and been so full of joy
that you just had to tell someone.

Again, lighten up, Brucie! You aren't the only habituee of QRP-L, so quit
trying to spoil it for others! BTW, I am CC'in this to the list so others
can comment if they wish. I feel this is a valid issue, having to do with
our attitudes toward new hams. Thanks, guys, for the bandwidth. And now,
back in my hole with flame-suit on!

On Thursday 08 August 2002 11:01 am, you wrote:

> Golly, that sure burned like a flame. So you have been licensed 33 or
> 34 years. Have you ever run off at the mouth about making a contact, any
> contact, in front of a group of other hams? What was their reaction?
> Overwhelming enthusiasm for what you did or just plain boredom.
>
> I have been a ham as long as you have. Sometimes I am an old
> curmudgeon. I think I have done almost everything, from operating here
> in the states to being an overseas resident and operating there, not in
> the military, but on the economy!
>
> I have worked many stations, and lots of DX. I have even been DX for a
> while. The point is there is enthusiasm and here is being polite. I
> see so many folks on this list that revert to being 3 years old when
> they make a contact. The reason? I guess because they don't make so
> many contacts!
>
> There is nothing wrong with being enthusiastic, there is politeness.
> Not all of us want to kick a** just because we made a contact!
>
> 73

Date: Thu, 08 Aug 2002 12:03:45 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: John <paynej1@strato.net>
Cc: qrp-l@lehigh.edu
Subject: [131754] Re: Hoof in mouth strikes again!!
Message-ID: <3D529661.6384B38C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

More flames. I merely said that The "I kicked a**" attitude has no place on here.

For your information, I was experiencing the thrill of first contacts with homebrewed rigs before you were licensed. However, no matter how high I got I never thought I was "Kicking a**"!

You are welcome to think anyway you want about me. I don't think you should be sharing that with the group as a cheap way of trying to get support out of the woodwork!

Date: Thu, 8 Aug 2002 12:04:27 -0400
From: "Mullin, Edward J." <mulline@tycoelectronics.com>
To: "'QRP'" <qrp-1@lehigh.edu>
Subject: [131755] Directional Antenna for HF.
Message-ID: <F1C60F6146F4DF4B902254ECAC17271D6A0521@us358mx00>
MIME-Version: 1.0
Content-Type: text/plain

I've been thinking about directional antennas, I remember reading in one of the ARRL antenna books about a 2 elem. yagi type for 40 meters using coils to shorten the elements(probably designed with QRO ops in mind).

Well... what if I took an SLV and laid it horizontal, mated another up to its base and made a 'rotatable' dipole? Very light weight portable etc... and then,

If I made another one of these assemblies, and mounted them on a boom(like a light fiberglass pole?), as say a reflector or director element, would this be a really light weight antenna with some gain in one direction? Could be too much work for not enough advantage? The same effect could be achieved just using wires strung between two poles, but lower than 20 meters that gets too big.

Just a thought experiment for now...

> Ed-- KB1HYS

Date: Thu, 8 Aug 2002 09:28:27 -0700
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <mulline@tycoelectronics.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131756] Re: Directional Antenna for HF.
Message-ID: <00ad01c23ef8\$a0e0e520\$0b02a8c0@trabucoserver>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There's an article in the Antenna Compendium, Volume 2, entitled "Coil Shortened Quads - A Half-Size Example on 40 Meters" that might be of

interest.

73,

--ian k3imw/6

----- Original Message -----

From: "Mullin, Edward J." <mulline@tycoelectronics.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, August 08, 2002 9:04 AM

Subject: Directional Antenna for HF.

> I've been thinking about directional antennas, I remember reading in one
> of
> the ARRL antenna books about a 2 elem. yagi type for 40 meters using coils
> to shorten the elements(probably designed with QRO ops in mind).
>
> Well... what if I took an SLV and laid it horizontal, mated another up to
> its base and made a 'rotatable' dipole? Very light weight portable etc...
> and then,
> If I made another one of these assemblies, and mounted them on a
boom(like
> a light fiberglass pole?), as say a reflector or director element, would
> this be a really light weight antenna with some gain in one direction?
> Could be too much work for not enough advantage? The same effect could
be
> achieved just using wires strung between two poles, but lower than 20
meters
> that gets too big.
>
> Just a thought experiment for now...
>
>
>
> > Ed-- KB1HYS

Date: Thu, 08 Aug 2002 16:32:36 +0000

From: "Leon Heller" <leon_heller@hotmail.com>

To: w0jrm@arrl.net, qrp-1@lehigh.edu

Subject: [131757] Re: Clisby Vertical Milling Machine and Lathes

Message-ID: <F48bHhSfzMPA0q40jUJ00003dd5@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

>From: "Rob Matherly" <w0jrm@arrl.net>
>Reply-To: w0jrm@arrl.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: Clisby Vertical Milling Machine and Lathes
>Date: Thu, 8 Aug 2002 10:20:22 -0500
>
>I recall seeing something called a "Smithy Drill/Mill/Lathe" in High School
>(only about 4 years ago for me ;^)) for around 650 bucks. Thought about
>getting one, but my shop teacher advised that for that price, and since it
>was an all-in-one deal, it probably would be a good idea to avoid it :^)
>

Those cheap machine tools are made in China, and often need careful rebuilding and setting up for satisfactory performance. The all-in-one tools aren't particularly rigid, although they are very convenient.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

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<http://www.hotmail.com>

Date: Thu, 08 Aug 2002 12:44:41 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [131758] Re: Directional Antenna for HF.
Message-ID: <5.1.0.14.1.20020808124241.00a6ad90@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:04 PM 8/8/2002 -0400, you wrote:

> I've been thinking about directional antennas, I remember reading in one of
>the ARRL antenna books about a 2 elem. yagi type for 40 meters using coils
>to shorten the elements(probably designed with QRO ops in mind).
>

>Well... what if I took an SLV and laid it horizontal, mated another up to
>its base and made a 'rotatable' dipole? Very light weight portable etc...
>and then,
>If I made another one of these assemblies, and mounted them on a boom(like
>a light fiberglass pole?), as say a reflector or director element, would
>this be a really light weight antenna with some gain in one direction?
>Could be too much work for not enough advantage? The same effect could be
>achieved just using wires strung between two poles, but lower than 20 meters
>that gets too big.

Ed,

If the tips of the poles (the SLV is made from a fishing pole, no?) don't
sag too badly, it seems like it might work.

Dave

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 08 Aug 2002 19:15:18 +0200
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-l@lehigh.edu
Subject: [131759] PSE
Message-ID: <5.1.1.6.1.20020808184806.009ec210@pop.gmx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello people,

If I read terms like in the last two days, then I can counsel each writer
only the following. Let the mail lie minimal one hour and read it then
again. The send button is sometimes too fast pressed.

You are all hams and soil you nevertheless mutually with mud. I hope that
each sender before switching on the computer also switches on his brain.
Will you talking like in such a way with your neighbour? Will you talk in
such a way with your friends? What occurs, if your neighbour or friends
have an another opinion? Is an unknown ham (anyway witch age) somewhere in
the world something else than a neighbour or a friend? I think: NO! Please

send me no message. Thinks about it!

Or like a VIP-QRP'er from Alaska wrote:

"Is it true? Is it necessary? Is it kind? One could ask these simple questions before posting a message to the list. If all three cannot be answered with a 'yes', then it is possible the message need not be sent. Think about it."

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Thu, 8 Aug 2002 10:13:12 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <w6toy@erols.com>
Subject: [131760] RE: Hoof in mouth strikes again!!
Message-ID: <GNEOLGDJDOPEALHJMKLCCEIMCIAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

It's all vernacular. There is absolutely no difference in one generation saying they 'did the happy dance' than another generation saying they 'kicked ass.'

That type of phrase is colloquially acceptable these days. Remember when 'bad' meant 'good?' Same kinda dealy ...

'Chill daddy'
Tracy N4LGH

I merely said that The "I kicked a**" attitude has no place on here.

Date: Thu, 08 Aug 2002 17:35:35 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [131761] K8RA Paddle SOLD
Message-ID: <0E72GjxsUnbBMcADBXL0000a9dc@hotmail.com>

It went quick !

Alan, N3BJ
Bent Mountain, VA

Date: Thu, 08 Aug 2002 18:10:54 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [131762] FS: Unbuilt ZM-2 Tuner
Message-ID: <0E39Qwio1oXNIIfsffn0000adc0@hotmail.com>

For Sale: Unbuilt ZM-2 tuner with UHF connectors. It's all there, with complete docs and assembly instructions. Emtech now wants \$65.00 for the ZM-2, will ship for \$50.00.

Alan, N3BJ

Date: Thu, 8 Aug 2002 13:15:54 -0500
From: "Rob Matherly" <w0jrm@arrl.net>
To: <leon_heller@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131763] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <00fb01c23f07\$e8ef19e0\$8211a541@jimrob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doesn't seem too convenient if you've gotta rebuild the thing before you can use it ;^)

72/73/oo
Rob, w0jrm

=====
Visit my website! <http://www.qsl.net/w0jrm>
=====

----- Original Message -----
From: Leon Heller <leon_heller@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, August 08, 2002 11:32 AM

Subject: Re: Clisby Vertical Milling Machine and Lathes

>
>
>
> >From: "Rob Matherly" <w0jrm@arrl.net>
> >Reply-To: w0jrm@arrl.net
> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> >Subject: Re: Clisby Vertical Milling Machine and Lathes
> >Date: Thu, 8 Aug 2002 10:20:22 -0500
> >
> >I recall seeing something called a "Smithy Drill/Mill/Lathe" in High
School
> >(only about 4 years ago for me ;^)) for around 650 bucks. Thought about
> >getting one, but my shop teacher advised that for that price, and since
it
> >was an all-in-one deal, it probably would be a good idea to avoid it :^)
> >
>
> Those cheap machine tools are made in China, and often need careful
> rebuilding and setting up for satisfactory performance. The all-in-one
tools
> aren't particularly rigid, although they are very convenient.
>
> 73, Leon
> --
> Leon Heller, G1HSM Tel: +44 1424 14790
> Email:leon_heller@hotmail.com
> My web page: http://www.geocities.com/leon_heller
> My low-cost Altera Flex design kit: <http://www.leonheller.com>
>
>
> -----
> Join the world s largest e-mail service with MSN Hotmail.
> <http://www.hotmail.com>

Date: Thu, 08 Aug 2002 14:53:02 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: mulline@tycoelectronics.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131764] Re: Directional Antenna for HF.
Message-ID: <3D52BE0E.5DF2376C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Thought experiments is where all design begin.

The antenna you are referring to (in QST) was designed by Doug DeMaw. It used HELICALLY wound elements to shorten the length needed.

I point this out because similar designs have appeared in other ham magazines which used center loading coils to shorten the elements. Also, a multi-element beam using traps is somewhat similar to what you are describing.

This design has also been implemented using hamsticks as antenna elements. Both as a ratable dipole and as aa multi-element beam. It will work. The bandwidth will be VERY narrow especially at 40 metes. Use a tuner.

73

Date: Thu, 8 Aug 2002 12:14:48 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [131765] PSE
Message-ID: <20020808191448.13588.qmail@web10009.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I was one of the contacts in question, the other night, that sparked Brandon's enthusiasm, when he posted "...rocked all you sapps!". Here's what I did: I realized that he was thrilled, and I thought that his method of expressing it was a bit inappropriate here, and bound to be misunderstood by some. So I e-mailed him off-list to offer some gentle counsel and encouragement. That prompted his apology, "Hoof-in-mouth...".

Am I an incredibly wise and great person? Not even close. But one of the best, the very best things about this hobby has always been, for me, the helpfulness and kindness shown among hams, without regard for cultural or other boundaries.

For those who get angered by the tone of someone's post, how about thinking over Ingo's advice? Let it be for awhile! Let's be respectful of each other, and express petty differences directly, off-list, if it's necessary. As for this great resource, the QRP-l, keep

this phrase taped to your monitor:

"Is it true? Is it necessary? Is it kind? One could ask these simple questions before posting a message to the list. If all three cannot be answered with a 'yes', then it is possible the message need not be sent. Think about it."

Thanks for letting me rant.

72,
Lloyd, K3ESE

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<http://www.hotjobs.com>

Date: Thu, 08 Aug 2002 12:02:25 -0800
From: Jim Larsen - AL7FS <AL7FS@arrl.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [131766] KL7/K0EVZ visit to Alaska and to AL7FS - with photos
Message-ID: <3D52CE51.5A96DA1E@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Doc, K0EVZ, and I had a nice time visiting yesterday. After working each other many times over the last six years, we finally had lunch together at the famous Lucky Wishbone restaurant in Anchorage, Alaska. Afterwards we drove down to my home to continue the fun.

Doc played with my new Elecraft K2 and made a few contacts...a Russian/MM, some Europeans, heard a New Zealand or Australia and I know he has been making QSOs at least to the Lower 48 with his own Elecraft K1 and his 33 foot long wire on the north side of his motel. This just proves, "Any antenna is better than no antenna." I even worked him K2 to K1 on a random on Tuesday evening. Doc has declared my K2 as working very well and tried to buy it from me. :-)

I have added pictures to my website of Doc operating my Elecraft K2 and holding up his QSL card for the Tuesday night K2 to K1 all Alaskan QSO. Go take a look at:

<http://www.qsl.net/al7fs/>.

Thanks for the nice eyeball QSO, Doc.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
ex-WA0LPK AK-QRP#003 SOC#003 10-X-#12094
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Thu, 8 Aug 2002 21:12:13 +0100
From: "Hubert Smits" <hubert.smits@btinternet.com>
To: <zlau@arrl.org>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [131767] RE: Help with mystery parts? : FAST current regulator
Message-ID: <042601c23f17\$e57430b0\$0100000a@mynote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Zack et al,

Below is an old message that I saved 'just in case'. That case is now. I have a handfull of zenerdiodes, model 0AZ231 and I can't find any data on them (not via google or any semiconductor db I know of). So I better test them to see what voltage they can handle.

What is the procedure that you refer to below, can I find an explanation somewhere?

Thanks, Hubert

| -----Original Message-----
| From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]
| On Behalf Of Lau, Zack, W1VT
| Sent: 05 June 2002 13:10
| To: Low Power Amateur Radio Discussion
| Subject: Re: Help with mystery parts? : FAST current regulator
|

|
| If you want to measure high voltage zener diodes with
| the LM317, you could place a zener diode across the
| LM317 to limit the input/output voltage differential.
| I'd then add a rotary switch and dropping resistors to
| cover different voltage ranges.

| 73--Zack Lau W1VT
|

Date: Thu, 8 Aug 2002 09:35:01 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [131768] End Fed Dipole FAILS
Message-ID: <Pine.LNX.4.44.0208080921420.1687-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The end fed 44 foot wire using 300 ohm ribbon 29 feet long is a complete failure. Of course it works pretty well but it's function is that of a Marconi inverted L antenna.

I just took a florescent light bulb and running 50 watts into the End Fed I held the light near the feed line as far as I can reach from the ground and it lights to full intensity.

Then I got my 88 foot long Center Fed Dipole fed with 450 ohm ribbon back up and ran the same test. I was not able to light the bulb at any point I could reach from the ground.

So I can replace the 300 ohm ribbon with a single wire and it should work almost exactly as it does now. I guess the radio and the 12 volt power supply and the house wire made a counterpoise that works...:-(

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Thu, 08 Aug 2002 14:42:32 -0700

From: Phil Wheeler <w7ox@earthlink.net>
To: AL7FS@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131769] Re: KL7/K0EVZ visit to Alaska and to AL7FS - with photos
Message-ID: <3D52E5C8.1090109@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Jim Larsen - AL7FS wrote:

>Greetings from Alaska,
>
>Doc, K0EVZ, and I had a nice time visiting yesterday. After working each
>other many times over the last six years, we finally had lunch together at
>the famous Lucky Wishbone restaurant in Anchorage, Alaska. Afterwards we
>drove down to my home to continue the fun.
>

That Doc sure gets around.

BTW -- your shack is too tidy :-)

73, Phil

Date: Thu, 8 Aug 2002 17:55:56 -0400
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: <w7ox@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131770] Re: KL7/K0EVZ visit to Alaska and to AL7FS - with photos
Message-ID: <02e401c23f26\$5ff69d60\$0300a8c0@dad-s-computer.rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Phil Wheeler <w7ox@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, August 08, 2002 5:49 PM
Subject: Re: KL7/K0EVZ visit to Alaska and to AL7FS - with photos

>BTW -- your shack is too tidy :-)

Yeah -- I'll "second" that !

Dick K2JQ

Date: Thu, 8 Aug 2002 18:07:42 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@lehigh.edu
Subject: [131771] Re: Dipole >?<
Message-ID: <20020808.182351.8902.4.kc8aon@juno.com>

But then it's a "ZEPP" not a "DIPOLE"..... SHEESE !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP - Do more with less !

On Thu, 8 Aug 2002 06:04:31 -0600 (MDT) "Karl F. Larsen"
<k5di@zianet.com> writes:

>
>
>Hi John, you feed it in the Zepp manner as defined well in the ARRL
>Antenna Book of 1970, page 103. Use a 2 wire feedline with a
>characteristic impedance and connect only 1 side at the antenna end.

>
>
>On Thu, 8 Aug 2002, John R Kirby wrote:

>
>>
>> Regardless of length, how do you 'end feed' a dipole ?

>>
>> John
>> N3AAZ
>> FM 19 xa
>>

>> -----
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>>
>
>--

>Yours Truly,
>
> - Karl F. Larsen, (505) 524-3303 -
>

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 8 Aug 2002 18:17:25 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@lehigh.edu
Subject: [131772] Re: Dipole >?<
Message-ID: <20020808.182351.8902.5.kc8aon@juno.com>

If only one side of the dipole is connected, you are end feeding a dipole? I have either forgotten something, never learned something, or we are not in Kansas anymore.

"DI" means "2", dipole = 2 poles, or 2 wires - GET IT ? 2 wires fed via a 2 conductor feedline.

A single wire fed at one end via a 2 conductor feedline with only one side connected is a "ZEPP" antenna also know as an enfed wire, it only has "ONE" radiating wire, so it can't be a "DIIIIIII - POLE" !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP - Do more with less !

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Date: Thu, 8 Aug 2002 17:41:49 -0400

From: Rick McKee <kc8aon@juno.com>
To: qrp-1@lehigh.edu
Subject: [131773] Re: Dipole >?<
Message-ID: <20020808.182351.8902.2.kc8aon@juno.com>

You don't, because that makes it a "UNIPOLE"

KC8AON

On Thu, 8 Aug 2002 05:51:21 -0400 John R Kirby <n3aaz-qrp@juno.com>
writes:

>
>Regardless of length, how do you 'end feed' a dipole ?
>
>John
>N3AAZ
>FM 19 xa
>
>-----

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Date: Thu, 8 Aug 2002 18:42:55 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <mulline@tycoelectronics.com>, "chat qrp" <qrp-1@lehigh.edu>
Subject: [131774] Re: Directional Antenna for HF.
Message-ID: <00ab01c23f2c\$f01df040\$aac7e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That would work, Ed, and simply be a 'compromise' acceptable given the
circumstances of the location. Others have done the same with Hamsticks with
reflectors. You may benefit from the fact that you can build a non-trap/loaded
array by simply drooping the ends instead of going with shortened elements.

Works like a charm, nothing to buy and easy to build.

73

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "Mullin, Edward J." <mulline@tycoelectronics.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 08, 2002 12:04 PM
Subject: Directional Antenna for HF.

> I've been thinking about directional antennas, I remember reading in one of
> the ARRL antenna books about a 2 elem. yagi type for 40 meters using coils
> to shorten the elements(probably designed with QRO ops in mind).
>
> Well... what if I took an SLV and laid it horizontal, mated another up to
> its base and made a 'rotatable' dipole? Very light weight portable etc...
> and then,
> If I made another one of these assemblies, and mounted them on a boom(like
> a light fiberglass pole?), as say a reflector or director element, would
> this be a really light weight antenna with some gain in one direction?
> Could be too much work for not enough advantage? The same effect could be
> achieved just using wires strung between two poles, but lower than 20 meters
> that gets too big.
>
> Just a thought experiment for now...
>
>
>
> > Ed-- KB1HYS

Date: Thu, 08 Aug 2002 17:47:30 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: w0jrm@arrl.net,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131775] Re: Clisby Vertical Milling Machine and Lathes
Message-ID: <044201c23f2d\$944f5320\$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Exactly! Like I said, the Clisby Miniature Machines are precision manufactured from aircraft quality, (6061 temper 6) aluminum by Clisby Design Engineering in Adelaide, South Australia. The factory uses state-of-the-art CNC machines to produce the world's finest miniature machine tools. You won't be disappointed.

What all uses can you folks think of for a small vertical milling machine and lathe besides the ones I've mentioned???

73/72/71! de Brice KA8MAV
Clisby Miniature Machines Web site:
<http://www.cyberbound.net/clisby>

----- Original Message -----

From: "Rob Matherly" <w0jrm@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, August 08, 2002 1:15 PM
Subject: Re: Clisby Vertical Milling Machine and Lathes

> Doesn't seem too convenient if you've gotta rebuild the thing before you can

> use it ;^)

>

> 72/73/oo

> Rob, w0jrm

>

> =====

> Visit my website! <http://www.qsl.net/w0jrm>

> =====

>

> ----- Original Message -----

> From: Leon Heller <leon_heller@hotmail.com>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Sent: Thursday, August 08, 2002 11:32 AM

> Subject: Re: Clisby Vertical Milling Machine and Lathes

>

>

> >

> >

> >

> > >From: "Rob Matherly" <w0jrm@arrl.net>

> > >Reply-To: w0jrm@arrl.net

> > >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> > >Subject: Re: Clisby Vertical Milling Machine and Lathes
> > >Date: Thu, 8 Aug 2002 10:20:22 -0500
> > >
> > >I recall seeing something called a "Smithy Drill/Mill/Lathe" in High
> School
> > >(only about 4 years ago for me ;^)) for around 650 bucks. Thought
about
> > >getting one, but my shop teacher advised that for that price, and since
> it
> > >was an all-in-one deal, it probably would be a good idea to avoid it
:^)
> > >
> >
> > Those cheap machine tools are made in China, and often need careful
> rebuilding and setting up for satisfactory performance. The all-in-one
> tools
> aren't particularly rigid, although they are very convenient.
> >
> > 73, Leon
> > --
> > Leon Heller, G1HSM Tel: +44 1424 14790
> > Email:leon_heller@hotmail.com
> > My web page: http://www.geocities.com/leon_heller
> > My low-cost Altera Flex design kit: <http://www.leonheller.com>
> >
> >
> > -----
> > Join the world s largest e-mail service with MSN Hotmail.
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>

End of QRP-L Digest 2641

